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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Imagery analysis report

Type IIIH In-Silo Missile Shock Isolation System—SS-17 Missile System (S)

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OCTOBER 1980
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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
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TYPE IIIH IN-SILO MISSILE SHOCK ISOLATION SYSTEM—SS-17 MISSILE SYSTEM (S)

1. (S/D) Missile shock isolation components for the SS-17 missile system have been identified at Yedrovo Silo Materials Receiving Area (SMRA), USSR [redacted] 25X1 These unassembled components (Figure 1) appear to be the major components for a type IIIH in-silo missile shock isolation system and are the first components that have been associated with a shock isolation system for the IIIH silo. These components were at the SMRA [redacted] 25X1 and were removed [redacted] 25X1 Conversion of the 110 type IIID launch silos at Yedrovo to type IIIH silos began in September 1974 and was completed by March 1980.

2. (TSR) Components identified as being associated with the type IIIH in-silo missile shock isolation system are similar in design and appearance to components associated with the type IIIF missile shock isolation system (SS-18). The identification and analyses of type IIIF shock isolation components by the Foreign Technology Division, Air Force Systems Command, significantly contributed to the identification of the IIIH shock isolation components.[1,2] For ease of reference and since the components for the two silo types are similar, IIIH missile shock isolation components have been given the same designators as comparable IIIF components.

3. (S/D) The major components associated with the IIIH shock isolation system are

a. Possible damper fixture/umbilical frame,
b. Suspension cage isolator assembly,
c. Possible missile canister suspension cage,
d. Possible shock isolation/alignment assembly, and
e. Possible damper mechanism (base).

A conceptual drawing of an assembled Type IIIH shock isolation system with dimensions is shown in Figure 2.

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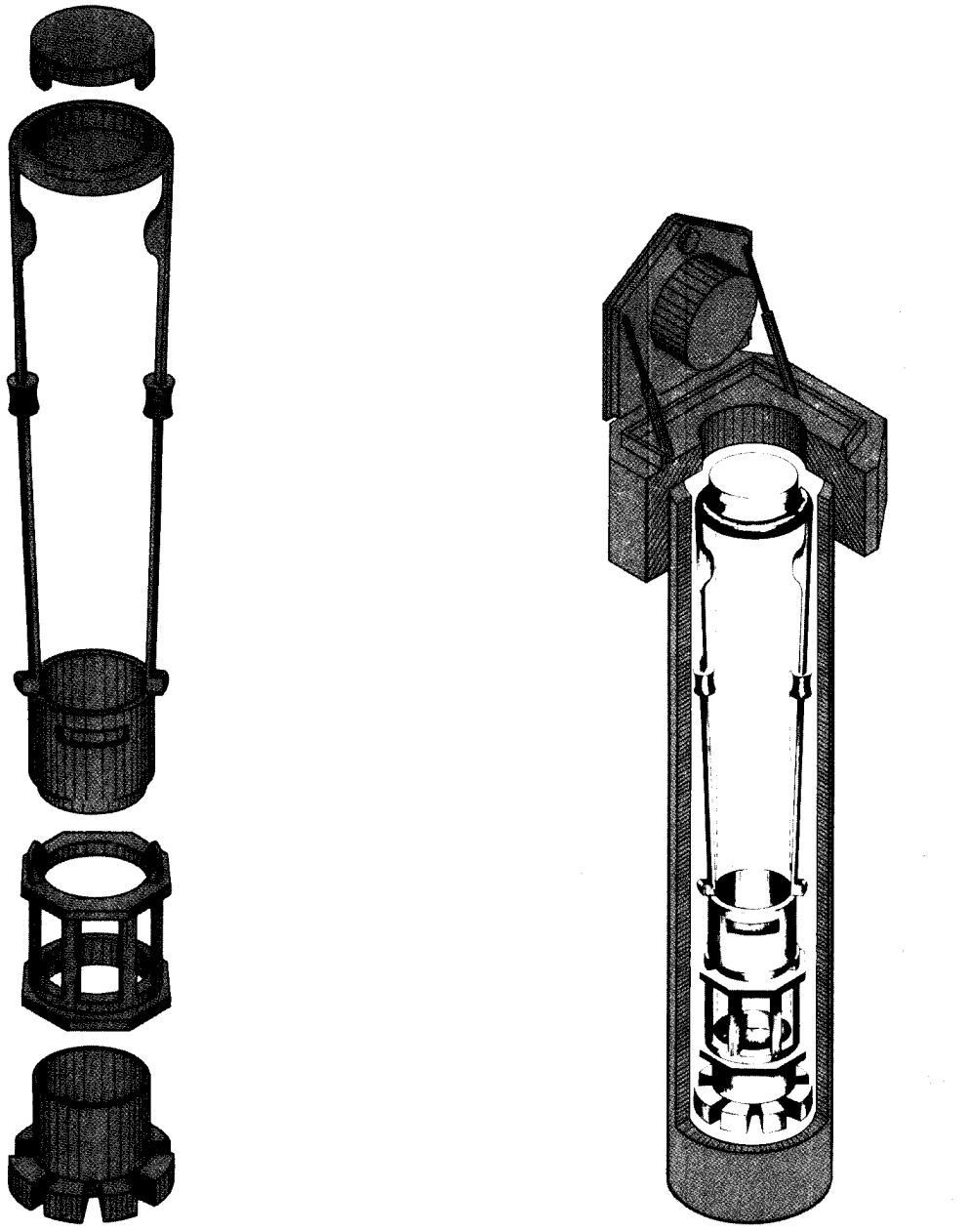

FIGURE 2. CONCEPTUAL DRAWING OF ASSEMBLED TYPE IIIH SHOCK ISOLATION SYSTEM

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REFERENCES

IMAGERY

(S/D) All available, relevant satellite imagery was used in the preparation of this report.

DOCUMENTS

1. FTD/AFSC, [redacted] RFB-22/0007/80, *Aerospace Weapons and Weapon Systems USSR, Type IIIF Silo*, Feb 80 (TOP SECRET R) 25X1

2. FTD/AFSC, [redacted] DST-1010s-341-80-SAO-Sup 1, *SS-18 ICBM System (U)*, Supplement 1, 7 Mar 80 (TOP SECRET R-[redacted]) 25X1 25X1

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